



Docket No.: M4065.0734/P734  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Ilia Ovsianikov, et al.

Application No.: 10/633,673

Group Art Unit: Not Yet Assigned

Filed: August 29, 2003

Examiner: Not Yet Assigned

For: METHOD AND CIRCUIT FOR  
DETERMINING THE RESPONSE CURVE  
KNEE POINT IN ACTIVE PIXEL IMAGE  
SENSORS WITH EXTENDED DYNAMIC  
RANGE

SUBMISSION OF POWER OF ATTORNEY

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Enclosed for filing in connection with the above-referenced United States Patent Application are the following:

1. Executed Power of Attorney by Assignee and Certificate by Assignee Under 37 CFR §3.73(b); and
2. Copy of executed Assignment and Agreement.

The Commissioner is hereby authorized to charge any fees which may be required to Deposit Account 04-1073.

Dated: August 29, 2003

Respectfully submitted,

By 

Thomas J. D'Amico

Registration No.: 28,371

Michael A. Weinstein

Registration No. 53,574

DICKSTEIN SHAPIRO MORIN &

OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700



Docket No.: M4065.0734/P734  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Ilia Ovsiannikov, et al.

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: August 5, 2003

Examiner: Not Yet Assigned

For: METHOD AND CIRCUIT FOR  
DETERMINING THE RESPONSE CURVE  
KNEE POINT IN ACTIVE PIXEL IMAGE  
SENSORS WITH EXTENDED DYNAMIC  
RANGE

**POWER OF ATTORNEY BY ASSIGNEE AND  
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.73(B)**

Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Micron Technology, Inc., Assignee of the entire right, title and interest in the above-identified application by virtue of the copy of the Assignment attached hereto (which was submitted for recordation on August 5, 2003), hereby appoints the attorneys and agents of the firm of Dickstein Shapiro Morin & Oshinsky LLP located at 2101 L Street NW, Washington, DC 20037-1526, listed as follows:

Gary M. Hoffman	26,411	Jon D. Grossman	32,699	Michael J. Scheer	34,425
Thomas J. D'Amico	28,371	Richard LaCava	41,135	Stephen A. Soffen	31,063
Donald A. Gregory	28,954	Arthur M. Lieberman	20,042	Ellen S. Tao	43,383
James W. Brady, Jr.	32,115	John C. Luce	34,378	Gary L. Veron	39,057
Mark J. Thronson	33,082	Peter McGee	35,947	Michael A. Weinstein	53,574
Eric Oliver	35,307	Edward A. Meilman	24,735	Steven I. Weisburd	27,409
Laurence E. Fisher	37,131	Charles E. Miller	24,576	Peter Zura	48,196
Deanna Allen	46,516	Christopher A. Monsey	53,342	Jeremy A. Cubert	40,399
Ian R. Blum	42,336	Keith D. Nowak	27,367	Gianni Minutoli	41,198
Gabriela I. Coman	50,515	Elizabeth Parsons	52,499	Michael Bergman	42,318
Catherine A. Ferguson	40,877	William E. Powell, III	39,803	Salvatore P. Tamburo	45,153
Ryan H. Flax	48,141	Joseph W. Ragusa	38,586	Peter A. Veytsman	45,920
Hua Gao	40,414	Steven S. Rubin	43,063	Christopher S. Chow	46,493

and also, listed as follows:

Charles B. Brantley, III	38,086	Kevin D. Martin	37,882	Russ Slifer	39,838
Michael L. Lynch	30,871	David J. Paul	34,692		

attorneys of Micron Technology, Inc. as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

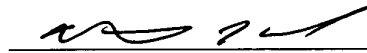
The Assignee certifies that the above-identified assignment has been reviewed and to the best of the Assignee's knowledge and belief, title is in the assignee.

Please direct all correspondence regarding this application to the following:

Thomas J. D'Amico  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526  
Telephone: (202) 785-9700  
Fax: (202) 887-0689

Respectfully submitted,

MICRON TECHNOLOGY, INC.



Michael L. Lynch  
Chief Patent Counsel  
Registration No. 30,871

Dated: 8-20-03

## ASSIGNMENT AND AGREEMENT

For value received, we, Ilia Ovsianikov; Kwang-Bo Cho; and Michael Kaplinsky, hereby sell, assign and transfer to Micron Technology, Inc., a corporation of the State of Delaware, having an office at 8000 S. Federal Way, Boise, Idaho 83706-9632, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to an invention entitled METHOD AND CIRCUIT FOR DETERMINING THE RESPONSE CURVE KNEE POINT IN ACTIVE PIXEL IMAGE SENSORS WITH EXTENDED DYNAMIC RANGE, described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Micron Technology, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Micron Technology, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Micron Technology, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Micron Technology, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Micron Technology, Inc. may designate.

We agree that, when requested, we shall, without charge to Micron Technology, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

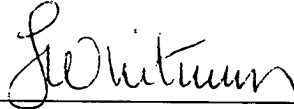


Ilia Ovsianikov

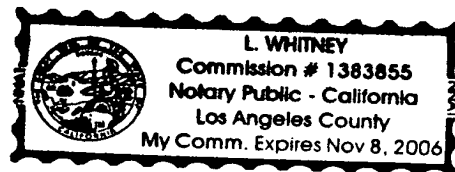
Date: July 15, 2003

United States of America )  
State of California ) ss.:  
County of Los Angeles )

On this 15 day of July, 2003, before me personally came Ilia Ovsianikov, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## ASSIGNMENT AND AGREEMENT

## Signature Page for Third Inventor

Michael Kaplinsky

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Michael Kaplinsky, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

## ASSIGNMENT AND AGREEMENT

For value received, I, Michael Kaplinsky, hereby sell, assign and transfer to Micron Technology, Inc., a corporation of the State of Delaware, having an office at 8000 S. Federal Way, Boise, Idaho 83706-9632, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to an invention entitled METHOD AND CIRCUIT FOR DETERMINING THE RESPONSE CURVE KNEE POINT IN ACTIVE PIXEL IMAGE SENSORS WITH EXTENDED DYNAMIC RANGE, described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Micron Technology, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

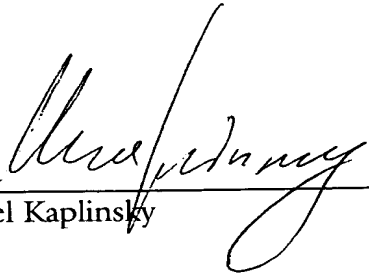
I authorize Micron Technology, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

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I request that any and all patents for said inventions be issued to Micron Technology, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Micron Technology, Inc. may designate.



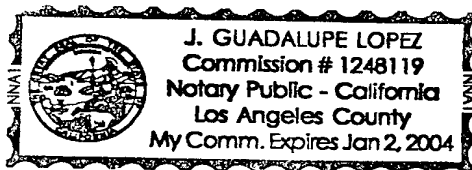
This Assignment does not alter or supercede existing agreements between Michael Kaplinsky and Micron Technology.

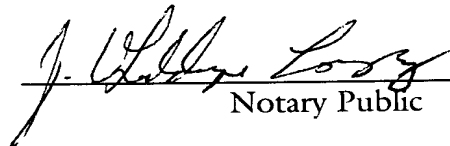
  
\_\_\_\_\_  
Michael Kaplinsky

Date: 07/03/2003

United States of America )  
State of CALIFORNIA ) ss.:  
County of LOS ANGELES )

On this 3<sup>rd</sup> day of JULY, 2003, before me personally came Michael Kaplinsky, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



  
\_\_\_\_\_  
Notary Public



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

## RECORDATION FORM COVER SHEET

## PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Ilia Ovsiannikov (07/15/2003), Kwang-Bo Cho  
(07/14/2003), and Michael Kaplinsky (07/03/2003)Additional name(s) of conveying party(ies)  
attached?☐

Yes

☒

No

## 3. Nature of Conveyance:

☒

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☐

Other

Execution Date: see Box 1, conveying parties

## 2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

8000 S. Federal Way

City: BoiseState: IDZip: 83707-0006Additional name(s) &  
address(es) attached:☐

Yes

☒

No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is: August 5, 2003

## A. Patent Application No.(s):

This application

## B. Patent No.(s):

Additional numbers attached?

☐

Yes

☒

No

5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Thomas J. D'Amico  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Internal Address: Atty. Dkt.: M4065.0734/P734

Street Address:  
2101 L Street NW

City:

Washington

State:

DC

Zip:

20037-1526

6. Total number of applications and  
patents involved:1

## 7. Total fee (37 CFR 3.41)

\$ 40.00☐

Enclosed

☐

Authorized to be charged to deposit account

☒

Authorized to be charged to credit card

(Form 2038 enclosed)

## 8. Deposit account number:

04-1073

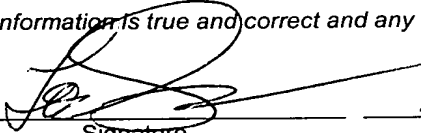
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Thomas J. D'Amico

Name of Person Signing

  
SignatureAugust 5, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 7

## ASSIGNMENT AND AGREEMENT

For value received, we, Ilia Ovsiannikov; Kwang-Bo Cho; and Michael Kaplinsky, hereby sell, assign and transfer to Micron Technology, Inc., a corporation of the State of Delaware, having an office at 8000 S. Federal Way, Boise, Idaho 83706-9632, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to an invention entitled METHOD AND CIRCUIT FOR DETERMINING THE RESPONSE CURVE KNEE POINT IN ACTIVE PIXEL IMAGE SENSORS WITH EXTENDED DYNAMIC RANGE, described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Micron Technology, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

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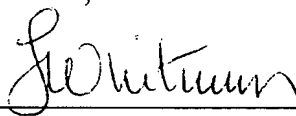


Ilia Ovsiannikov

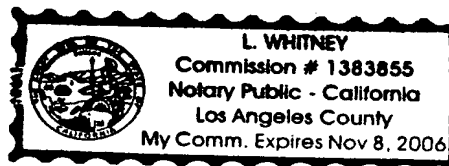
Date: July 15, 2003

United States of America )  
State of California ) ss.:  
County of Los Angeles )

On this 15 day of July, 2003, before me personally came Ilia Ovsiannikov, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.




Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT AND AGREEMENT

Signature Page for Second Inventor

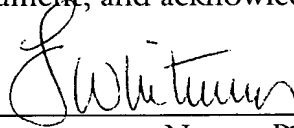


Kwang-Bo Cho

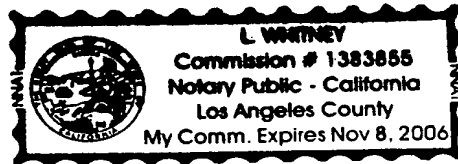
Date: July 14, 2003

United States of America )  
State of CALIFORNIA ) ss.:  
County of LOS ANGELES )

On this 14 day of JULY, 2003, before me  
personally came Kwang-Bo Cho, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## ASSIGNMENT AND AGREEMENT

### Signature Page for Third Inventor

---

Michael Kaplinsky

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Michael Kaplinsky, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

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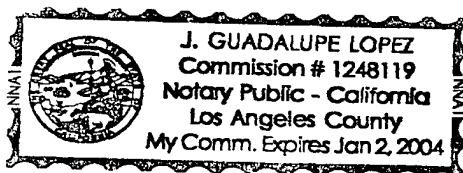
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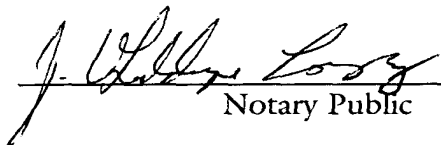
  
\_\_\_\_\_  
Michael Kaplinsky

Date: 07/03/2003

United States of America                    )  
State of CALIFORNIA                    ) ss.:  
County of LOS ANGELES                    )

On this 3<sup>rd</sup> day of JULY, 2003, before me  
personally came Michael Kaplinsky, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



  
\_\_\_\_\_  
Notary Public